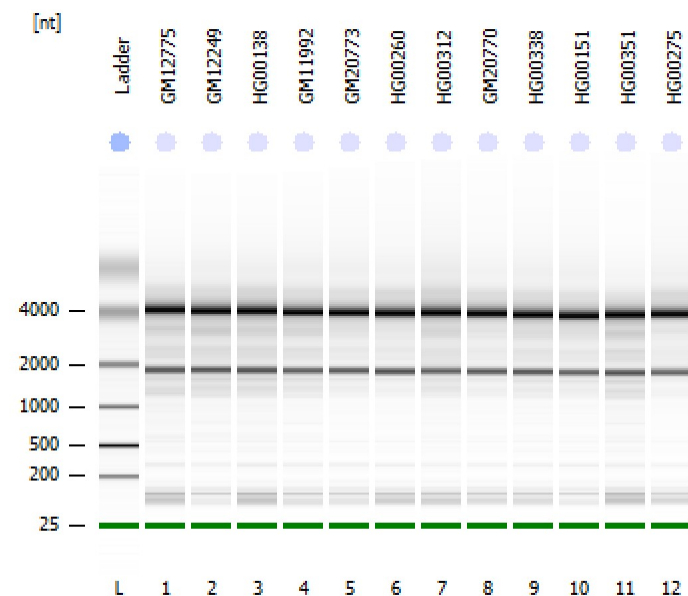


Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE04105537\_2011-10-13\_15-27-45.xad

Created: 10/13/2011 3:27:45 PM  
Modified: 10/13/2011 3:50:52 PM

**Electrophoresis File Run Summary**Instrument Information:

Instrument Name: DE04105537  
Serial#: DE04105537

Firmware: C.01.069  
Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy

Assay Class: Eukaryote Total RNA Nano

Version: 2.6

Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)

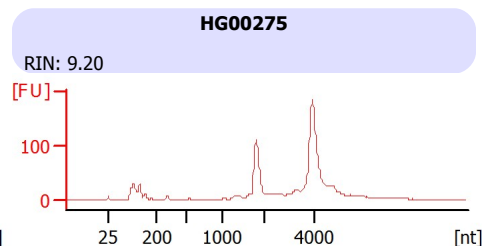
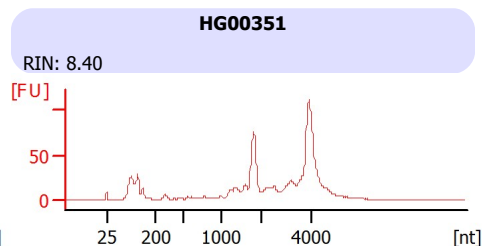
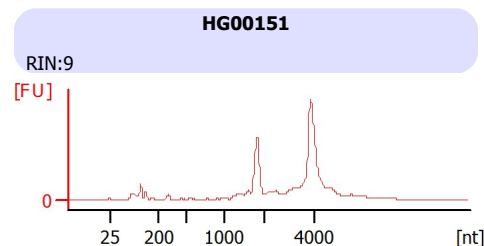
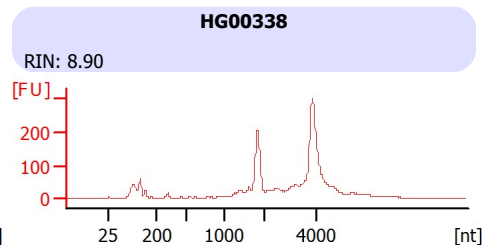
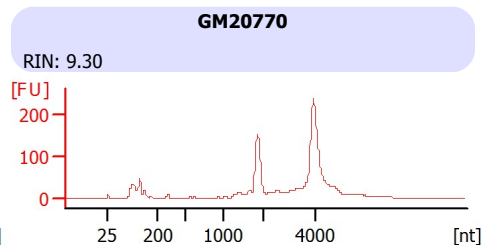
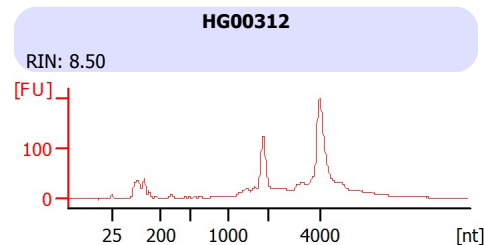
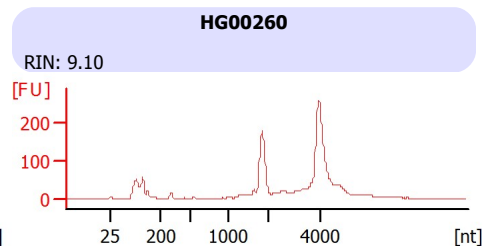
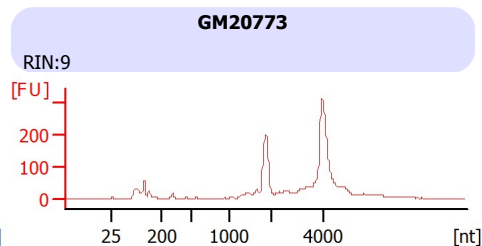
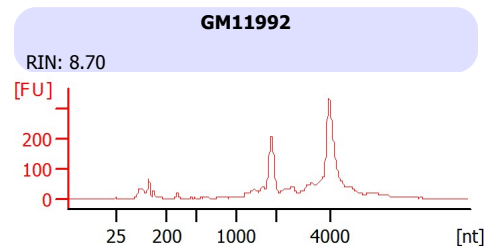
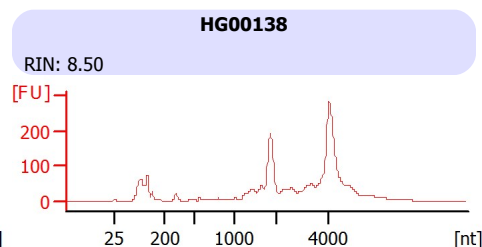
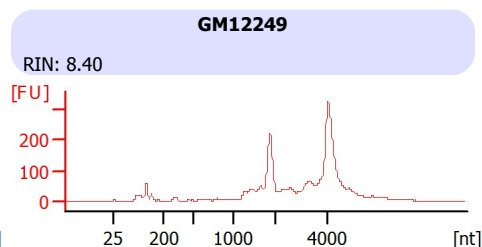
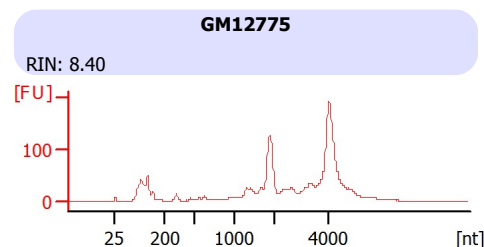
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE04105537\_2011-10-13\_15-27-45.xad

Created: 10/13/2011 3:27:45 PM  
Modified: 10/13/2011 3:50:52 PM

**Electrophoresis File Run Summary (Chip Summary)**

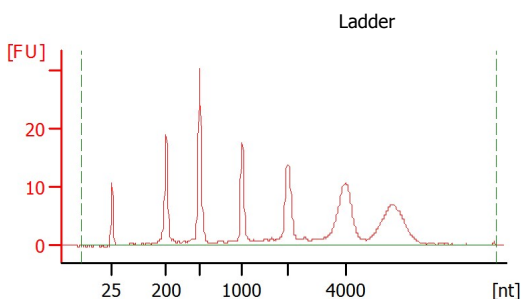
Sample Name	Sample Comment	Status	Result Label	Result Color
GM12775		✓	RIN: 8.40	
GM12249		✓	RIN: 8.40	
HG00138		✓	RIN: 8.50	
GM11992		✓	RIN: 8.70	
GM20773		✓	RIN:9	
HG00260		✓	RIN: 9.10	
HG00312		✓	RIN: 8.50	
GM20770		✓	RIN: 9.30	
HG00338		✓	RIN: 8.90	
HG00151		✓	RIN:9	
HG00351		✓	RIN: 8.40	
HG00275		✓	RIN: 9.20	
Ladder		✓	All Other Samples	

**Chip Lot #****Reagent Kit Lot #****Chip Comments :**

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE04105537\_2011-10-13\_15-27-45.xad

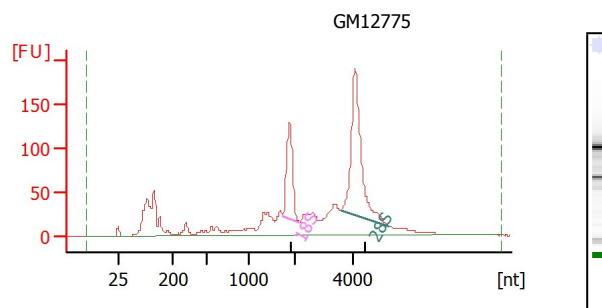
Created: 10/13/2011 3:27:45 PM  
Modified: 10/13/2011 3:50:52 PM

### Electropherogram Summary



#### Overall Results for Ladder

RNA Area: 247.4  
RNA Concentration: 150 ng/μl  
Result Flagging Color:    
Result Flagging Label: All Other Samples

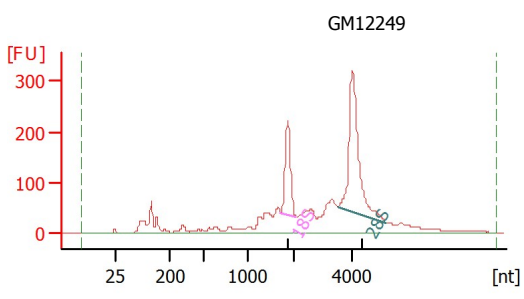


#### Overall Results for sample 1 : GM12775

RNA Area: 1,904.7  
RNA Concentration: 1,155 ng/μl  
rRNA Ratio [28s / 18s]: 2.2  
RNA Integrity Number (RIN): 8.4 (B.02.08)  
Result Flagging Color:    
Result Flagging Label: RIN: 8.40

#### Fragment table for sample 1 : GM12775

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,729	2,133	205.3	10.8
28S	3,559	5,243	444.7	23.3

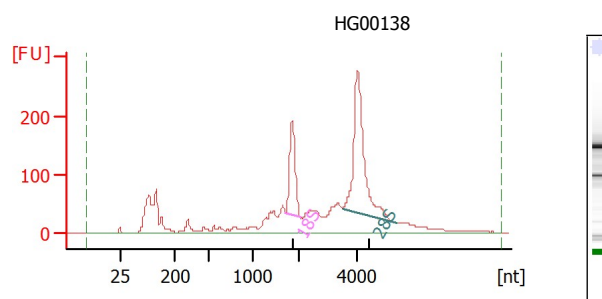


#### Overall Results for sample 2 : GM12249

RNA Area: 2,885.9  
RNA Concentration: 1,750 ng/μl  
rRNA Ratio [28s / 18s]: 2.2  
RNA Integrity Number (RIN): 8.4 (B.02.08)  
Result Flagging Color:    
Result Flagging Label: RIN: 8.40

#### Fragment table for sample 2 : GM12249

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,725	2,095	319.1	11.1
28S	3,522	5,136	696.8	24.1



#### Overall Results for sample 3 : HG00138

RNA Area: 2,787.9  
RNA Concentration: 1,691 ng/μl  
rRNA Ratio [28s / 18s]: 2.2  
RNA Integrity Number (RIN): 8.5 (B.02.08)  
Result Flagging Color:    
Result Flagging Label: RIN: 8.50

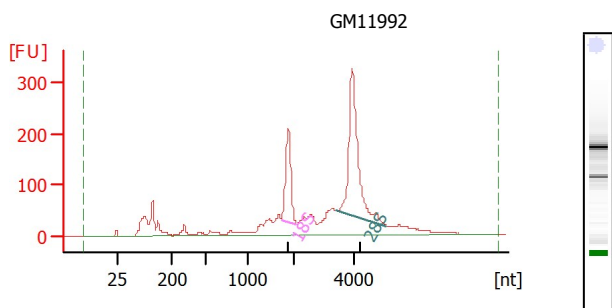
#### Fragment table for sample 3 : HG00138

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,725	2,080	293.5	10.5
28S	3,494	5,364	651.6	23.4

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...Eukaryote Total RNA Nano\_DE04105537\_2011-10-13\_15-27-45.xad

Created: 10/13/2011 3:27:45 PM  
 Modified: 10/13/2011 3:50:52 PM

### Electropherogram Summary Continued ...

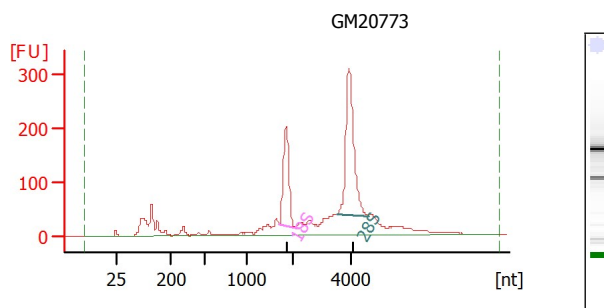


#### Overall Results for sample 4 : GM11992

RNA Area: 2,708.3  
 RNA Concentration: 1,642 ng/μl  
 rRNA Ratio [28s / 18s]: 2.3  
 RNA Integrity Number (RIN): 8.7 (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 8.70

#### Fragment table for sample 4 : GM11992

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,715	2,051	307.6	11.4
28S	3,410	5,141	704.8	26.0

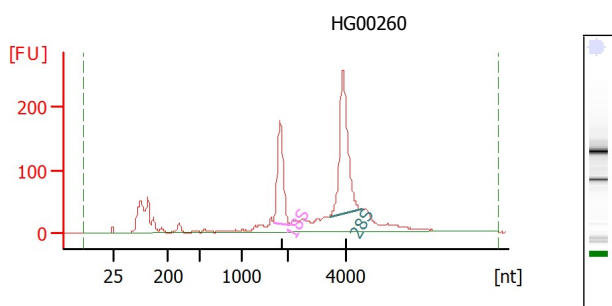


#### Overall Results for sample 5 : GM20773

RNA Area: 2,319.7  
 RNA Concentration: 1,407 ng/μl  
 rRNA Ratio [28s / 18s]: 1.8  
 RNA Integrity Number (RIN): 9 (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 9

#### Fragment table for sample 5 : GM20773

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,709	2,118	330.3	14.2
28S	3,517	4,614	582.3	25.1

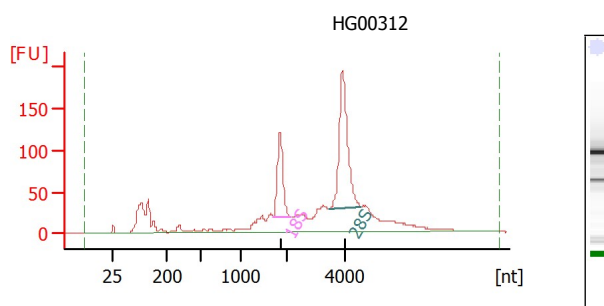


#### Overall Results for sample 6 : HG00260

RNA Area: 2,052.5  
 RNA Concentration: 1,245 ng/μl  
 rRNA Ratio [28s / 18s]: 1.7  
 RNA Integrity Number (RIN): 9.1 (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 9.10

#### Fragment table for sample 6 : HG00260

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,692	2,097	305.5	14.9
28S	3,454	4,577	508.2	24.8



#### Overall Results for sample 7 : HG00312

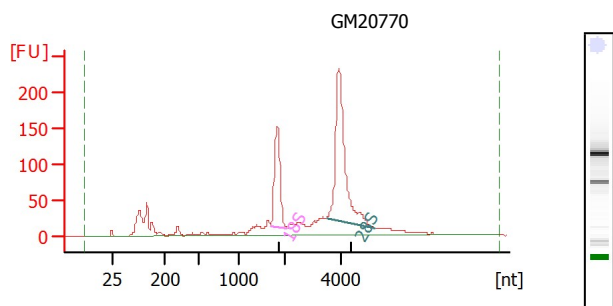
RNA Area: 1,795.9  
 RNA Concentration: 1,089 ng/μl  
 rRNA Ratio [28s / 18s]: 2.1  
 RNA Integrity Number (RIN): 8.5 (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 8.50

#### Fragment table for sample 7 : HG00312

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,698	2,110	184.8	10.3
28S	3,487	4,600	384.9	21.4

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE04105537\_2011-10-13\_15-27-45.xad

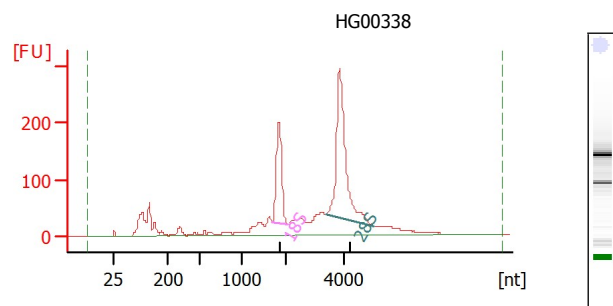
Created: 10/13/2011 3:27:45 PM  
Modified: 10/13/2011 3:50:52 PM

**Electropherogram Summary Continued ...****Overall Results for sample 8 : GM20770**

RNA Area: 1,752.9  
RNA Concentration: 1,063 ng/μl  
rRNA Ratio [28s / 18s]: 2.2  
RNA Integrity Number (RIN): 9.3 (B.02.08)  
Result Flagging Color:    
Result Flagging Label: RIN: 9.30

**Fragment table for sample 8 : GM20770**

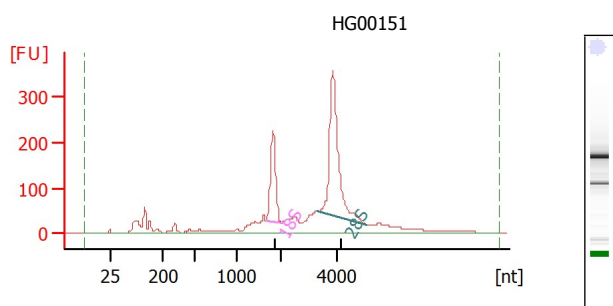
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,694	2,092	251.7	14.4
28S	3,463	5,174	550.1	31.4

**Overall Results for sample 9 : HG00338**

RNA Area: 2,437.7  
RNA Concentration: 1,478 ng/μl  
rRNA Ratio [28s / 18s]: 2.1  
RNA Integrity Number (RIN): 8.9 (B.02.08)  
Result Flagging Color:    
Result Flagging Label: RIN: 8.90

**Fragment table for sample 9 : HG00338**

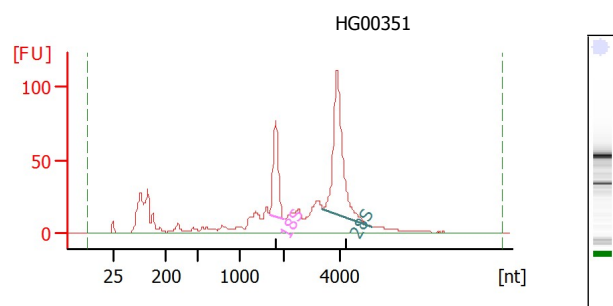
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,683	2,061	309.1	12.7
28S	3,391	5,091	659.4	27.1

**Overall Results for sample 10 : HG00151**

RNA Area: 2,714.3  
RNA Concentration: 1,646 ng/μl  
rRNA Ratio [28s / 18s]: 2.3  
RNA Integrity Number (RIN): 9 (B.02.08)  
Result Flagging Color:    
Result Flagging Label: RIN: 9

**Fragment table for sample 10 : HG00151**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,669	2,027	351.3	12.9
28S	3,247	5,033	796.6	29.3

**Overall Results for sample 11 : HG00351**

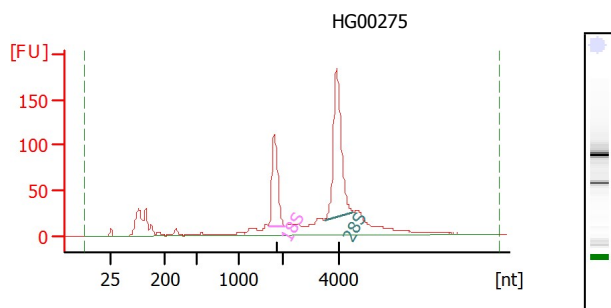
RNA Area: 1,070.3  
RNA Concentration: 649 ng/μl  
rRNA Ratio [28s / 18s]: 2.2  
RNA Integrity Number (RIN): 8.4 (B.02.08)  
Result Flagging Color:    
Result Flagging Label: RIN: 8.40

**Fragment table for sample 11 : HG00351**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,678	1,989	113.2	10.6
28S	3,366	5,077	249.5	23.3

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE04105537\_2011-10-13\_15-27-45.xad

Created: 10/13/2011 3:27:45 PM  
Modified: 10/13/2011 3:50:52 PM

**Electropherogram Summary Continued ...****Overall Results for sample 12 : HG00275**

RNA Area: 1,324.9  
RNA Concentration: 803 ng/μl  
rRNA Ratio [28s / 18s]: 1.9  
RNA Integrity Number (RIN): 9.2 (B.02.08)  
Result Flagging Color:    
Result Flagging Label: RIN: 9.20

**Fragment table for sample 12 : HG00275**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,681	2,089	189.5	14.3
28S	3,452	4,489	351.3	26.5